

August 5, 2016

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

Climate Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of August 8, 2016:

RFC #697 – Install the new Global Standardized Precipitation Index web pages on the RZDM. To be implemented on August 8 at 1200Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of August 8, 2016 may affect CPC:

RFC #2193 – ecFlow v3.1.9 – Repurpose 2 service nodes on Luna and Surge (total of 4) for development ecFlow servers. EcFlow is the job scheduler used by the NCEP Production Job Suite. Developer use on the backup WCOSS system will help streamline R2O. To be implemented on August 11 at 1800Z.

RFC #2194 – gpfs v4.1.0.8 – Mount all GPFS file systems on the development ecFlow nodes for Gyre and Tide. To be implemented on August 11 at 1800Z.

The following NCO RFCs are in progress and may affect CPC:

RFC #1980 – For WCOSS Phase 1, update the firmware on the DCS3700 storage *p1, *d1, *d2, and *mv. This work will require a 14-20 hour outage. Implementation began June 8 at 1200Z on Tide. Gyre will be done after production is switched to Tide on August 2. This work should be completed on both WCOSS systems by August 15.

Ocean Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of August 8, 2016:

RFC #699 - Remove old model evaluation links and add links to existing wind against current pages on the ocean products tab and on the individual ocean forecasts and ocean model evaluation pages. Move old model evaluation paper to the publications page. Update the model evaluation thumbnail on the ocean products tab. Fix validation errors. To be implemented on August 8 at 1400Z.

RFC #700 – Migrate Great Circle Rays grids and ASCAT grids script, source code, and configuration files to opcps from opc_test. This change is being made as a first stage in the transitioning of this processing to operations. To be implemented on August 10 at 1400Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of August 8, 2016 may affect OPC:

RFC #2184 – runhistory v2.2.9 - Fix a bug in the HWRF archive script which, if there's more than one storm to archive, was appending the subsequent storms onto the first storm's directory. Also update HWRF index files to be distributed as ASCII files instead of binary. To be implemented on August 9 at 1500Z.

RFC #2189 - Configure routing for GRB (GOES-R Rebroadcast) WxConnect for Guam, IRC, AK/Anchorage, SPC, SWPC, AWC, NHC, and NCWCP. To be implemented on August 10 at 1500Z.

The following NCO RFCs are in progress and may affect OPC:

RFC #1980 – For WCOSS Phase 1, update the firmware on the DCS3700 storage *p1, *d1, *d2, and *mv. This work will require a 14-20 hour outage. Implementation began June 8 at 1200Z on Tide. Gyre will be done after production is switched to Tide on August 2. This work should be completed on both WCOSS systems by August 15.

Weather Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of August 8, 2016:

RFC #701 - For NAWIPS, implementing changes to the 'enhance.tbl' and 'imgtyp.tbl' to include new default enhancements for sounder, polar, and hydro-estimator data sets. Also, re-order the enhancement list to make it more logical. To be implemented on August 8 at 1200Z.

RFC #702 - Add the Continuous Ranked Probability Score (CRPS) to the WPC forecast verification system (fvs). This allows WPC to characterize the performance of an entire suite of probabilistic forecast products with a single number. The Hersbach CRPS formulation supports quantile reliability diagrams and decomposition of CRPS into reliability, resolution, and uncertainty components. To be implemented on August 9 at 1200Z.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of August 8, 2016 may affect WPC:

RFC #2189 - Configure routing for GRB (GOES-R Rebroadcast) WxConnect for Guam, IRC, AK/Anchorage, SPC, SWPC, AWC, NHC, and NCWCP. To be implemented on August 10 at 1500Z.

The following NCO RFCs are in progress and may affect WPC:

None

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

Users who wish to view their network utilization via the Scrutinizer appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at NCWCP.helpdesk@noaa.gov.